Listing of Claims:

1. (Currently Amended) A method of controlling a closed heating system for generating energy from heat by controlling a ~~the~~ flow of a working medium through an expansion device ~~for use~~ included in ~~a~~ the closed heating system which, in addition to the expansion device, also includes a condenser, a pump and a boiler, wherein the expansion device ~~consists in~~ comprises a helical screw rotor expander that has an inlet port, ~~an inlet line connected thereto,~~ and an outlet port connected to an inlet of the condenser, wherein the condenser comprises an outlet connected to an inlet of the pump, the pump comprises an outlet connected to an inlet of the boiler, and the boiler comprises an outlet connected to the inlet port of the helical screw rotor expander through an inlet line, and wherein the expansion device drives an energy producing device, ~~for instance a generator,~~ the method comprising:

providing the helical screw rotor expander with an intermediate pressure port between the inlet port and the outlet port, by connecting the intermediate pressure port with the inlet line via a branch line between the intermediate pressure port and a branching point in the inlet line, ~~and by including~~

wherein a valve is included in the branch line, and ~~controlling~~ the flow of the working medium through the valve to

the intermediate pressure port is controlled as a function of a state parameter.

2. (Currently Amended) [[A]] The method according to claim 1, further comprising using ~~the~~ a pressure of the working medium as the state parameter.

3. (Currently Amended) [[A]] The method according to claim 1, further comprising using ~~the~~ a temperature of the working medium as the state parameter.

4. (Currently Amended) [[A]] The method according to claim 1, further comprising using ~~the~~ energy delivered by the expander as the state parameter.

5. (Currently Amended) [[A]] The method according to claim 1, further comprising using ~~the~~ energy delivered to the heating system as the state parameter.

6. (Currently Amended) A closed heating system for generating energy from heat including an ~~An~~ arrangement for controlling ~~the~~ a flow of a working medium through an expansion device ~~for use~~ included in ~~a~~ the closed heating system, wherein the closed heating system further ~~which in addition to the expansion device also~~ includes a condenser, a pump, ~~and~~ a boiler,

and ~~together with~~ requisite connection lines, wherein the expansion device includes a helical screw rotor expander that has an inlet port, ~~an inlet line connected thereto,~~ and an outlet port connected to an inlet of the condenser, wherein the condenser comprises an outlet connected to an inlet of the pump, the pump comprises an outlet connected to an inlet of the boiler, and the boiler comprises an outlet connected to the inlet port of the helical screw rotor expander through an inlet line, and wherein the expansion device drives an energy producing device, and wherein:

the helical screw rotor expander includes an intermediate pressure port between the inlet port and the outlet port, a branch line ~~which is provided~~ connects the intermediate pressure port with the inlet line at a branching point, and a valve is provided in the branch line.

7. (Currently Amended) ~~An arrangement~~ The system according to claim 6, wherein the valve comprises a control valve.

8. (Currently Amended) ~~An arrangement~~ The system according to claim 6, wherein the energy producing device comprises a generator.

9. (New) The method according to claim 1, wherein the energy producing device comprises a generator.